

II. AMENDMENTS TO THE CLAIMS:

The text of all claims under examination is submitted, and the status of each is identified. This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (currently amended) A dietary supplement composition, comprising:
a nutritionally effective amount ~~amounts~~ of each of at least six isolated and purified saccharides, wherein at least one of said six isolated and purified saccharides is selected from a first group of saccharides consisting of: galactose, glucose, mannose, xylose and acetylated mannose; and wherein at least one of said six isolated and purified saccharides is selected from a second group of saccharides consisting of: N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine, arabinose, glucuronic acid, galacturonic acid, iduronic acid and arabinogalactan; ~~and~~
~~wherein said composition comprises predigested forms of said saccharides.~~

Claims 2-5 (canceled)

6. (currently amended) A dietary supplement composition according to claim 1, wherein at least one of said six isolated and purified saccharides is ~~derived~~ predigested from an oligomeric or polymeric form of saccharides as found in at least one of:
gum tragacanth, guar gum, grain flour, rice flour, sugar cane, beet sugar, potato, milk, agar, algin, locust bean gum, psyllium, karaya gum, seed gums, Larch tree extract, aloe vera extract, gum ghatti, starch, cellulose, degraded cellulose, fructose, high fructose corn syrup, pectin, chitin, acacia, gum arabic, alginic acid, carrageenan, dextran, xanthan gum, chondroitin sulfate, sucrose, acetylated polymannose, maltose, glucan, lentinan, mannan, levan, hemicellulose, inulin, fructan, and lactose.

7. (previously amended) A dietary supplement composition according to claim 1, further comprising a nutritionally effective amount of dioscorea complex.

8. (previously amended) A dietary supplement composition according to claim 1, further comprising a nutritionally effective amount of a blend of freeze-dried and powdered raw fruits and vegetables.
9. (currently amended) A dietary supplement composition according to claim 8, further comprising a nutritionally effective amount ~~amounts~~ of a xanthine ~~xanthines~~ and an herbal body-toning agent ~~agents~~.
10. (previously amended) A dietary supplement composition according to claim 8, wherein said blend of freeze dried and powdered raw fruits and vegetables comprises:
broccoli, brussel sprouts, cabbage, carrot, cauliflower, garlic, kale, onion, papaya, pineapple, tomato and turnip.
11. (previously amended) A dietary supplement composition according to claim 7, further comprising a nutritionally effective amount of beta sitosterol.
12. (previously amended) A dietary supplement composition according to claim 1, further comprising a nutritionally effective amount of melatonin.
13. (previously amended) A dietary supplement composition according to claim 1, further comprising an effective amount of a saccharide bioabsorption aid.
14. (previously amended) A dietary supplement composition according to claim 13, wherein the bioabsorption aid comprises soy lecithin.
15. (currently amended) A dietary supplement composition according to claim 1, further comprising a nutritionally effective amount ~~amounts~~ of a dioscorea complex and a blend of freeze-dried and powdered raw fruits and vegetables.

16. (currently amended) A dietary supplement composition according to claim 1, further comprising a nutritionally effective amount ~~amounts~~ of one or more non-toxic vitamins and minerals.

17. (currently amended) A dietary supplement composition according to claim 16, wherein: said one or more vitamins comprise A, B1, B12, B2, B6, beta carotene, bioflavanoids, biotin, C, choline, D, E, folic acid, inositol, K, niacinamide, para-aminobenzoic acid, and pantothenic acid; and said one or more minerals comprise boron, calcium, copper, GTF chromium, iodine, iron, magnesium, manganese, molybdenum, potassium, selenium, silicon, vanadium and zinc.

Claims 18-21 (canceled)

22. (currently amended) A dietary supplement composition, comprising: a nutritionally effective amount ~~amounts~~ of each of at least six isolated and purified saccharides, wherein at least a first one of said six isolated and purified saccharides is selected from a first group of saccharides consisting of: galactose, glucose, mannose and xylose and said first one of said six isolated and purified saccharides comprises from about 0.1 to about 75 weight percent of said composition; wherein at least a second one of said six isolated and purified saccharides is selected from a second group of saccharides consisting of: N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine, arabinose, glucuronic acid and iduronic acid and said second one of said six isolated and purified saccharides comprises from about 0.1 to about 75 weight percent of said composition; ~~and wherein said composition comprises predigested forms of said saccharides.~~

Claims 23-26 (canceled)

27. (previously presented) A dietary supplement composition according to claim 7, wherein said composition comprises from about 50 to about 99.9999 weight percent of said saccharides and from about 0.0001 to about 50 weight percent of said dioscorea complex.
28. (previously presented) A dietary supplement composition according to claim 7, wherein said composition comprises from about 30 to about 99.99 weight percent of said saccharides and from about 0.01 to about 70 weight percent of said dioscorea complex.
29. (previously presented) A dietary supplement composition according to claim 28, wherein said composition comprises from about 60 to about 90 weight percent of said saccharides and from about 10 to about 40 weight percent of said dioscorea complex.
30. (previously presented) A dietary supplement composition according to claim 29, wherein said composition comprises about 80 weight percent of said saccharides and about 20 weight percent of said dioscorea complex.
31. (previously presented) A dietary supplement composition according to claim 8, wherein said composition comprises from about 0.01 to about 99.999 of said saccharides and from about 0.001 to 99.99 of said blend of freeze-dried and powdered raw fruits and vegetables.
32. (previously presented) A dietary supplement composition according to claim 31, wherein said composition comprises from about 1 to about 80 weight percent of said saccharides and from about 20 to about 99 weight percent of said blend of freeze-dried and powdered raw fruits and vegetables.
33. (previously presented) A dietary supplement composition according to claim 32, wherein said composition comprises from about 5 to about 50 weight percent of said saccharides and from about 50 to about 95 weight percent of said blend of freeze-dried and powdered raw fruits and vegetables.

34. (previously presented) A dietary supplement composition according to claim 1, further comprising an herbal extract or plant extract of broccoli, brussel sprouts, cabbage, carrot, cauliflower, garlic, kale, onion, papaya, pineapple, tomato, asparagus, mushroom, parsnip, radish and turnip.

35. (previously presented) A dietary supplement composition according to claim 34, wherein said composition comprises from about 25 to about 99.999 weight percent of said saccharides and from about 0.001 to about 75 weight percent of said herbal or plant extract.

36. (previously presented) A dietary supplement composition according to claim 35, wherein said composition comprises from about 10 to about 90 weight percent of said saccharides and from about 10 to about 90 weight percent of said herbal or plant extract.

Claims 37 – 39 (canceled)

40. (currently amended) A dietary supplement composition, comprising:
a nutritionally effective amount ~~amounts of predigested forms of~~ isolated and purified galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose.

41. (previously presented) A dietary supplement composition according to claim 40, wherein said composition further comprises rice flour.

42. (previously presented) A dietary supplement composition according to claim 41, wherein said composition further comprises a flowing agent and a lubricant.

43. (currently amended) A dietary supplement composition according to claim 41, wherein said galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine, xylose and rice flour are present in said composition in a weight ratio of about 1:1:1:1:1:1:1:8.

Claims 44-47 (canceled)

48. (new) A dietary supplement composition according to claim 40, wherein said isolated and purified galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose are powdered.

49. (new) A dietary supplement composition according to claim 40, wherein said isolated and purified galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose are encapsulated.

50. (new) A dietary supplement composition according to claim 40, wherein said isolated and purified galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose are in solution.

51. (new) A dietary supplement composition according to claim 40, wherein said composition comprises from about 1 to about 48 weight percent of each of isolated and purified galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose.

52. (new) A dietary supplement composition according to claim 40, wherein said composition comprises from about 0.1 to about 75 weight percent of each of isolated and purified galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose.

53. (new) A dietary supplement composition according to claim 41, wherein said galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose are isolated and purified from predigested gum tragacanth, guar gum, grain flour, rice flour, sugar cane, beet sugar, potato, milk, agar, algin, locust bean gum, psyllium, karaya gum, seed gums, Larch tree extract, aloe vera extract, gum ghatti, starch,

cellulose, degraded cellulose, fructose, high fructose corn syrup, pectin, chitin, acacia, gum arabic, alginic acid, carrageenan, dextran, xanthan gum, chondroitin sulfate, sucrose, acetylated polymannose, maltose, glucan, lentinan, mannan, levan, hemicellulose, inulin, fructan or lactose.

54. (new) A dietary supplement composition according to claim 40, wherein said composition comprises from about 1 to about 10 weight percent of each of isolated and purified galactose, glucose, mannose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine and xylose.